**************************************	in the same of	MARINE CHEMIST CERTIFICATE	
Z	us -	? E78b2evæ Zv¢	SERIAL NO. 8 83939
Survey Requested by		Vessel Owner or Agent	Date Specific Location of Vessel
Vessel J J J Last Three (3) Cargoos		Type of Vessel Test Method	Specific Location of Vessel Time Survey Completed
Bow RAKE			
57 a sin 18484		GLANASA	
UNA VOID DY L-3-3-4	545116 Language Language (1997)	Ele Horius	
/- 2 - 3 - 9	· SAFE FER W FREE WARCH	oruens : Inge 1 Ulion CHORES	FRANKE.
	17240 ER	Herwells	2
Joseph College 1	840WN - I	0.55 File 140	1200EX
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	<u> CM</u>	Ne Joon CEM)	
In the event of any physical o to any of the above spaces, o	r atmospheric changes adver r if in any doubt, immediately	sely affecting the STANDARD SA stop all work and contact the un	FETY DESIGNATIONS assigned dersigned Warine Chemisti
QUALIFICATIONS: Transfer of ballast subject to gas accumulation, unless app affected. All lines, vents, heating col designated.	or manipulation of valves or cit scifically approved in this Certific its, valves, and similarly enclose	saure equipment landing to after con- ate, requires inspection and endorse ad appurtonences shall be consider	ditions in pipe lines, tanks or compartments ment or relasue of Certificate for the spaces so ed "not safe" unless otherwise specifically
STANDARD SAFETY DESIGNATIONS (pa <u>SAFE FOR WORKERS</u> : Means that in the that, (b) toxic materials in the atmospher	ne compartment or space so design	nated: (a) the oxygen content of the atr	-6.4, and Subsection 5.3.2). nosphere is at least 19.5 percent by volume; and not capable of producing toxic materials under
NOT SAFE FOR WORKERS: Means that In I	amained as directed on the warr at in the compartment or space so the compartment so designated: (a	designated, the requirements of Sale) oxygen content of the atmosphere is	for Workers has not been met. at least 19.5 percent by volume, with the excep-
conditions in the presence of fire, and which ing contained llammable or combustible	ille maintained as directed on the M materials have been cleaned suffi- fire room bilges, have been treat	darine Chemist's Certificate; and furthe clently to prevent the spread of fire, or ed in accordance with the Marine Che	ir, that, (d) all adjacent spaces containing or hav- are satisfactorily inerted, or, in the case of fuel mist's requirements.
NOT SAFE FOR HOT WORK, Means It	rat in the compartment so designa	ated, the requirements of Sale for Hot	Work have not been met. g carrier so designated: (a) have been tested by sss than 10 percent of the lower flammable limit,
CHEMIST'S ENDORSEMENT. This is to c of Gas Hazards on Vessels and have for	THO THE CONTINUE OF EACH TO BE IN		st are in accordance with NFPA 306-1980 Control ation. Ions existing at the time the inspection herein set forth was a compliance with all qualitications and instructions.
"The undersigned acknowledges recolpt of this Cort and understands conditions and limitations under y	vhich it was lasued."	completed and is issued subject t	o compliance with all availifications and instructions.

Signed:__

20M-5-82-MBF

Conflicate No.